

06-01-01

04/26/01

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.: S-94,792

First Inventor or Application Identifier: Robert B. Von Dreele

Title: HIGH THROUGHPUT SCREENING OF LIGAND BINDING TO
MACROMOLECULES USING HIGH RESOLUTION POWDER DIFFRACTION

Express Mail Label No. EJ425551328US

APPLICATION ELEMENTS

ADDRESS TO: Box Patent Application
Assistant Commissioner for Patents
Washington, DC 20231

1. ☒ * Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 14]
☒ Descriptive title of the Invention
☐ Cross References to Related Applications
☒ Statement Regarding Fed sponsored R&D
☐ Reference to sequence listing, a table
or a computer program listing appendix
☒ Background of the Invention
☒ Brief Description of the Drawings (if filed)
☒ Detailed Description
☒ Claim(s)
☒ Abstract of the Disclosure
4. ☒ Drawings(s) (35 U.S.C. 113) [Total Sheets 2]
☐ Formal ☒ Informal
5. ☐ Declaration & Power of Attorney
[Total Pages]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 63(d)
(for continuation/divisional with Box 16 completed)
- c. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).

6. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies): or
ii. ☐ paper
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & documentation)
9. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
10. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
13. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
14. ☒ Request and Certification Under 35 U.S.C.
122(b)(2)(b)(I)
15. ☐ Other:

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application S.N. ____/____.

Prior application information: Examiner

Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

16. CORRESPONDENCE ADDRESS

Name: Bruce H. Cottrell

Address: Los Alamos National Laboratory
LC/BPL, MS D412

City: Los Alamos State: New Mexico Zip Code 87545

Country United States Telephone: (505)667-9168 Fax: (505) 665-3100

Name (Print/Type): Bruce H. Cottrell

Registration No. (Attorney/Agent): 30,620

Signature:

Bruce H Cottrell

Date: May 31, 2001

PTO
05/31/01PTO
05/31/01jc961 U.S. PTO
05/31/01

05/31/01

FEE TRANSMITTAL

For FY 2001

Patent fees are subject to annual revision

Complete if Known

Application Number: _____
 Filing Date: _____
 First Named Inventor: Robert B. Von Dreele
 Examiner Name: _____
 Group/Art Unit: _____
 Attorney Docket No.: S-94,792

METHOD OF PAYMENT

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:
 Deposit Account Number: 12-2150
 Deposit Account Name: Los Alamos National Laboratory
☒ Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17
☒ Applicant claims small entity status.
 See 37 CFR 1.27

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$710	\$355	Utility filing fee	355
\$710	\$355	Reissue filing fee	
\$150	\$75	Provisional filing fee	

SUBTOTAL (1) \$355

2. EXTRA CLAIM FEES

	Extra Claims	Fee from Fee Paid Below	Fee Paid
Total Claims	5 -20** = 0	X 0 = 0	0
Independent Claims	2 -3** = 0	X 0 = 0	0
Multiple Dependent Claims			=

** or number previously paid, if greater; For Reissues, see below

Large Entity Fee	Small Entity Fee	Fee Description
\$18	\$9	Claims in excess of 20
\$80	\$40	Independent claims in excess of 3
\$270	\$135	Multiple dependent claim, if not paid.
\$80	\$40	** Reissue independent claims over original patent
\$18	\$9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$0

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
\$130	\$65	Surcharge - late filing fee or oath	
\$50	\$25	Surcharge - late provisional filing fee or cover sheet	
\$2,520	\$2,520	For filing a request for reexamination	
\$110	\$55	Extension for reply within first month	
\$390	\$195	Extension for reply within second month	
\$890	\$445	Extension for reply within third month	
\$1,390	\$695	Extension for reply within fourth month	
\$1,890	\$945	Extension for reply within fifth month	
\$310	\$155	Notice of Appeal	
\$310	\$155	Filing a brief in support of an appeal	
\$270	\$135	Request for oral hearing	
\$110	\$55	Petition to revive - unavoidable	
\$1,240	\$620	Petition to revive - unintentional	
\$130	\$130	Petitions to the Commissioner	
\$50	\$50	Petitions related to provisional applications	
\$180	\$180	Submission of Information Disclosure Statement	
\$710	\$355	Filing a submission after final rejection (37 CFR 1.129 (a))	
\$710	\$355	For each additional invention to be examined (37 CFR 1.129(b))	
\$300	\$300	Publication fee for early, voluntary, or normal publication	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$0

Reduced by Basic Filing Fee Paid

SUBTOTAL FROM 1 \$355

SUBTOTAL FROM 2 \$0

SUBTOTAL FROM 3 \$0

TOTAL AMOUNT OF PAYMENT \$355

SUBMITTED BY

Printed Name: Bruce H. Cottrell

Signature: *Bruce H. Cottrell*

Date: May 31, 2001

Complete (if applicable)

Reg. No. 30,620

Telephone (505)667-9168

**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(b)(I)**

First Named Inventor: Robert B. Von Dreele

Title: HIGH THROUGHPUT SCREENING OF
LIGAND BINDING TO MACROMOLECULES
USING HIGH RESOLUTION POWDER
DIFFRACTION

Atty Docket Number: S-94,792

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122 (b).

May 31, 2001

Date

Bruce H. Cottrell

Signature

Bruce H. Cottrell

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

TOP SECRET